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With this syenite are also associated a biotite and a hornblende-syenite and a hornblende-granite. The major portion of the trap mass is a fine-grained hypersthene-gabbro. The relation of the syenites to the trap could not be discovered.

Notes. — The granite-gneiss near Middletown, on the Connecticut River, is, according to Westgate,¹ an igneous rock. The rock is a biotite gneiss, often containing eyes of feldspar consisting of cores of single orthoclase crystals enclosing grains of other feldspars, and sometimes surrounded by peripheral zones of a granular feldspar.

A second series of analyses of Italian volcanic rocks is presented by Washington.² Among them is an analysis of ciminite from La Colonetta, on the south slope of Monte Cimino; one of the "mica-trachyte," or selagite, from Monte Catini, Tuscany; one of an andesite from Radicofani, Tuscany, and one of the well-known leucitite of Capo di Bove. The analyses of the ciminite (I), the selagite (II), and the leucitite (III), follow:

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	FeO	MgO	CaO	BaO	Na ₂ O	K ₂ O	H ₂ O	Tot.
57.31	.40	14.71	1.21	4.37	7.80	6.90		1.35	6.38	.18	= 100.61
56.39	2.07	12.88	2.36	3.54	7.83	4.06		1.30	7.84	1.33	= 99.60
45.09	.37	17.12	4.17	5.38	5.30	10.47	.25	2.18	8.97	.45	= 100.65

The ciminite analysis differs from the original analysis of Washington's type rock in showing less Al₂O₃ and more MgO. The difference in the two analyses is explained as due to incomplete separation of the two oxides in the earlier analysis. The selagite appears to be a minette-like form of ciminite, differing from the latter in possessing biotite in place of olivine and orthoclase.

An excellent description of the titaniferous iron ores of the Adirondacks appears from the pen of J. F. Kemp.³ The ores are shown to contain small quantities of hypersthene, augite, plagioclase, and many of the other constituents of gabbros. From their close association with rocks of this class, the author regards the ores as differentiation products of their magmas, in the same way that the titaniferous ores of Minnesota, of Sweden and Norway, and of other places are believed to be varietal phases of a similar magma. Incidentally, the paper describes a few gabbros and anorthosites from near Lake Sandford, in Newcomb township.

¹ *Journ. of Geol.*, vol. vii, 1899, p. 638.

² *Amer. Journ. Sci.*, vol. ix, 1900, p. 44.

³ *Nineteenth Ann. Rept. U. S. Geol. Surv.*, Pt. iii, p. 377.